

A METHOD AND SYSTEM TO CONNECT INTERNET PROTOCOL HOSTS VIA A CONTROL BUS

ABSTRACT

The present invention includes a system and method to implement Internet
5 Protocol (IP) hosts on an application specific bus without disrupting the application
specific bus. In one embodiment, an IP host determines the application specific bus
address of a remote device, the remote device having an IP address in addition to the
application specific bus address. The IP host formats a message conforming to the
application specific bus, the message containing IP data and message identifiers. The IP
10 host transmits the message on the application specific bus. In addition, the IP host
negotiates for network access on the application specific bus. A destination IP host
receives the message based upon the application specific bus address of the destination
IP host and authenticates the message as an IP messages based upon the message
identifiers. In addition, the destination IP host extracts the IP data from the message
15 and processes the IP data by a conventional IP network processing protocol.